Special Issue

Business Analytics and Decision-Making: Models, Algorithms and Applications

Message from the Guest Editor

This Special Issue seeks to publish a collection of current research on the use of mathematical models and/or machine learning algorithms for solving business problems ranging from productivity to sustainability. It welcomes articles that advance the classic analytics models and algorithms in response to emerging business needs and their applications to real-world business problems such as fraud reduction, production planning, actuarial estimates of financial damages, customer segmentation, etc. It also welcomes proposals of new theoretical models and algorithms such as latent Dirichlet allocation and non-parametric Bayesian learning that overcome the limitations of the classical ones. Due to the recent growth in the use of generative AI tools such as ChatGPT, this Special Issue also seeks articles that explore and experiment how businesses can integrate generative AI capabilities into the existing business processes.

Guest Editor

Prof. Dr. Liping Liu

Department of Management, The University of Akron, Akron, OH 44325-4801, USA

Deadline for manuscript submissions

30 April 2026

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:
JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).